

user friendly

space saving

comfortable

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& Ahmad Rizal Abdul Rahman



# Furniture Design

Mohd Shahrizal Dolah

Furniture for what next..  
Furniture is artefacts that change the 'fashion' of the environment.

A building without furniture is like an environment without a soul. Furniture is a complex combination of art and the science of environment. It does not only represent a piece of functional artefact but is a parameter of social changes. It must answer the need of the users to comply with the up-to-date lifestyle. Unification of new media, technology, materials and industrial design processes assisted enormously in design research that lead to multifunctional furniture design which are tailored to meet the user needs and aspirations.

STEdex'13 furniture represents furniture that sustains a physical and psychological relationship with the end user. STEdex'13 furniture aims to go beyond consideration of neither form-follow-function nor function-follow-form but they are 'philosophical form of desire'. Therefore, the furniture were designed to be fun, emotionally connect and pleasurable with the end user through their sustainable design form and also by being functionality aesthetic simultaneously.

# Jury Review

Ahmad Zuhairi Abdul Majid

Although the information and communication technology are moving and bringing conveniences in our lives, we cannot ignore some values we kept since many years ago. Through my observation, the students have achieved a certain level of understanding and thinking towards sustainability. These can be seen when students apply a new simple method for local hatcheries in fishing industry. Problem solving is the main activity in industrial design practice that could change things from hard to easy or even from disaster to a successful product.

Problem solving activity also has been demonstrated by the student through an innovation in their design projects. A design does not always come from sketches and brain-storming processes. Although it is a must, some could derive from a scenario that instigates new ideas. The lacking part in the design is the styling. No matter what situation or location that the product is used, some styling features must exist. We claim ourselves as a new and modern generation living in the 21st century where no unappealing, awful or inexcusable things were laid before our eyes. There are many ways of creating aesthetic features in a product such as the very basic application of design elements and selected design principles. Simultaneously, the Fish Ball Moulding Tool has provided an interesting aesthetic value although it represents simplicity and inclusive design. The Wavey street furniture was a decent attempt to provide leisure artefact at a specific location in Kuala Perlis. I believe that durability and structure composition are the main concerns that could be improved. User safety is also equally critical.

I am eagerly expecting more fascinating ideas from the students because our society has changed from agrarian to information edge and now we are in the midst of transforming ourselves to futuristic vision society. Everything that we want can be acquired simply by pushing a button. We went through various achievements and technological advancements which will bring us to the next level as if we are on a fast conveyor towards an awe-inspirational future.



# Form Follows Function – A Multi-Function Kitchen Stool

Ahmad Rizal Abdul Rahman & Mat Rasol Sidek

Form follows function is a design principle developed in the 20th century that was associated with modern Architecture and Industrial Design. This principle encourages the shape of designed buildings or a product to primarily focus upon its intended function or purpose. In doing so, many products have been designed and developed based on its purpose to support human activities. In current living situation and demands for environmentally friendly products, many new product has been developed to respond to the modern contemporarily lifestyle. With limited spaces, current designs of modern kitchen encourage larger, yet hidden, storage rooms where most have been developed into wall-mounted cabinets.

One of the designs that emphasized modern living lifestyle and created 'form follows function' environment is a kitchen step stool. The design of the step stool has been developed after several observational works on modern living lifestyle in current kitchen environment. This step stool provides an extended components within its existing design as it can be utilized by the users when they need to reach kitchen items from their top cabinets or any higher space beyond their reach. (The step stool can be adjusted for an extension).

Given a normal situation, users will do the excessive or sometimes take risks such as climbing over the kitchen top or pulling a wobbly chair to stand when reaching for something at the higher level in the kitchen. These could lead to home accidents or minor injuries in the kitchen. A step stool is designed not just for reaching higher spaces but also to act as a stool when not being used as a stepping stool. It can be manufactured easily as the shape is geometrical. Furthermore, the proposed standard design size can easily fit into any kitchen and made easy for storage and mobility.



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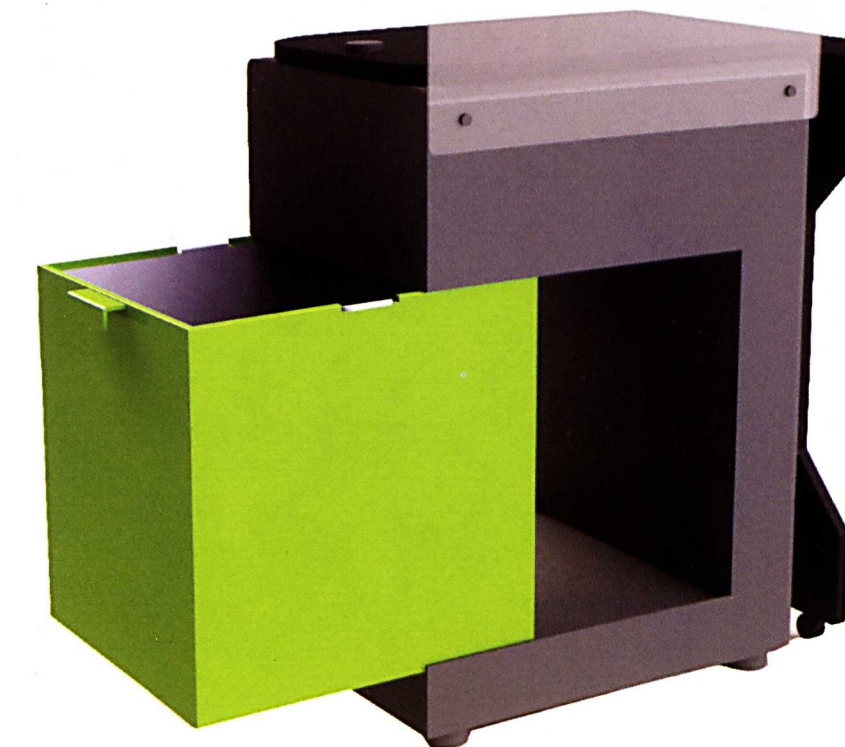
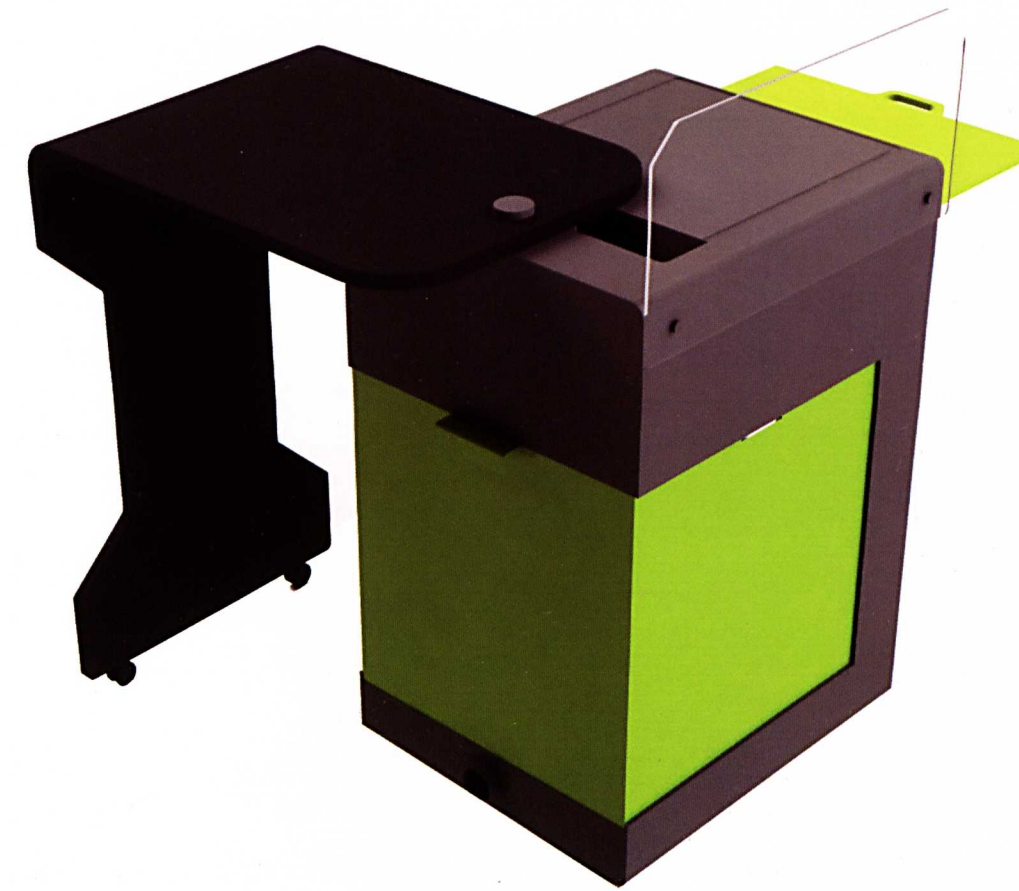
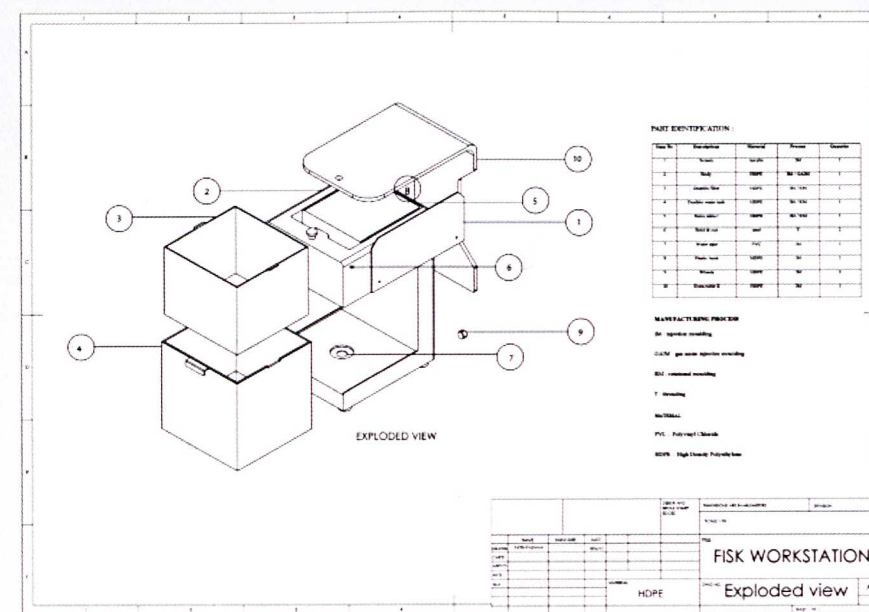
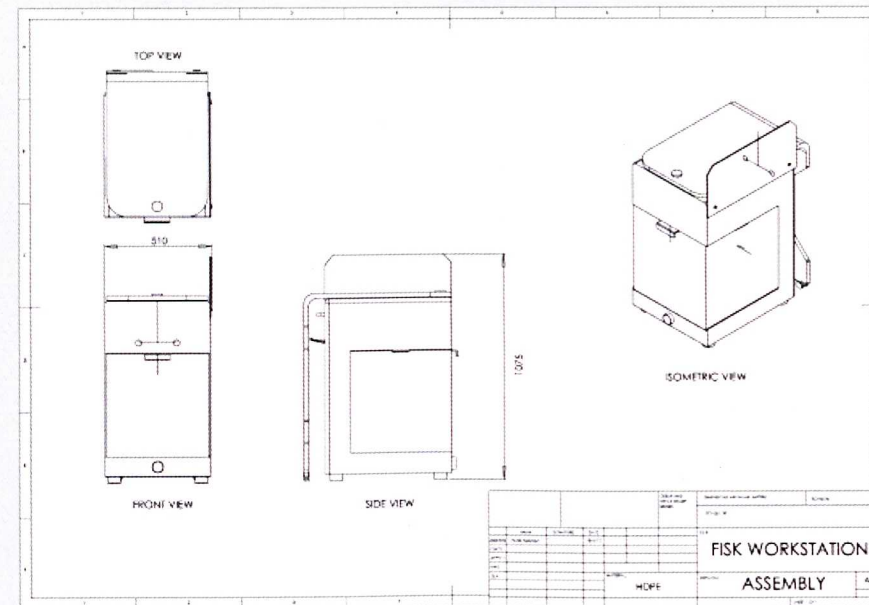
# FISKCUBE (Fish Monger Work Station)

Mohd Faiz Yahaya, Saiful Hasley Ramli & Arnis Aziz

Many customers are not happy if they have to wait to be served at the fish monger stall. The disorganized items arrangement in the existing fish monger stall normally causes delays in the business trading. Currently, there is no specific space for the fish vendors to do their weighing and packaging. It is also hard for the fish mongers to determine which customer should be entertained first when there are many customers. Where some fish mongers also offer cut and clean service, clean and hygienic working area is required.

Fisk Cube is a workstation designed for fish mongers to organize and speed up their daily sales routine. By having this workstation, sales routines can be systematically planned where the most important aspects is to provide comfortable sales environment to the customer. The workstation also provides a specific area or space for fish weighing, chopping and packaging. As for the hygienic and cleanliness aspects, proper drainage systems were proposed at the workstation.

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## Wavey

Muhammad Faizal Che Leh, Osman Mohd Tahir  
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Furniture design is important both for its design and functionality. A designer must not only consider a design that can cater the needs of the people but also which could blend with the environment whether it is for indoor or an outdoor purposes. The Wavey street furniture was proposed to be not only as the centre piece but also to let patrons seat down and rest for a little while after strolling along the pavement area. The Wavey furniture was inspired by the movement of roaring and waving waves near Kuala Perlis, Perlis jetty area where a group project was carried out. The Wavey street furniture is designed to be suitable placed at the jetty area of Kuala Perlis. The design and material are considered high-tech with decorative arts.

Other than its functional role, it is perfectly suitable for an outdoor area because the Wavey furniture is made from stainless steel and is weather resistant especially in windy wet, humid and salty air area like Kuala Perlis. The Wavey furniture has low maintenance since the material is metal-based and chrome plated.

Beside weather resistance and lower maintenance, the Wavey street furniture will easily serve its purpose as a seat. The furniture can be used by all range of people ranging from young to adult sizes. However, the Wavey furniture was made purposely for temporary seating where the tube-like form used in the construction has proven to be uncomfortable for anyone seating for a long period of time.

- Yeo Mei Yong, Amar Marwan Abdul A'zim, Nurul Syamima Misran, Mohd Akisah Mat Nawir, Siti Noorsyarafina Mohd Abdullah, Muhammad MansorZin, Siti Naqiah Yacob and Mohd Izzul Asyraf Mohamad Khalid  
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